

*Lamar halos*.—1st, Mich., N. Y., Ohio, Penn., W. Va., Va., Utah, Or.; 2nd, Me., Mich., N. Y., Col., R. I., Conn.; 3rd, Cal., D. T., Ga., Ill., Iowa, Kan., N. Y., N. C.; Ohio, Tenn., Va., W. Va., Penn., Me., R. I.; 4th, Fla., Cal., Iowa, Ga., La., Mass., Neb., N. J., N. Y., Ohio, Va., Penn., N. C.; 5th, N. C., Minn., Fla., Ga.; 6th, Ala., Miss., N. J., N. Y., Ohio, Va., Tenn., N. C.; 7th, N. J., Penn., S. C., Ill., Va., N. Y., N. C., Ga.; 8th, N. Y., Ill., N. C., Ga., Or.; 10th, Texas, N. C.; 11th, N. C.; 24th, Cal., Iowa; 25th, La., N. C.; 27th, N. C., La., Ga.; 28th, D. T., Ill., Mass., Iowa, Neb., La., Ohio, Miss.; 29th, Ala., Ill., N. J., Utah, Texas, R. I., Minn., N. C., D. T.; 30th, Ill., Tenn., Fla., Neb.; 31st, Ill., Ind., Tenn., Va., S. C., Fla., Neb., Minn., N. C.

*Mirage*.—10th, Ellinwood, Kan., and Evanston, Ill.; 17th, Duluth; 21st, Alpena; 2nd, 15th, 17th, 19th, 23rd, 24th, 28th, New London; 3rd, 4th, 10th, Tybee Island, Ga.

## MISCELLANEOUS PHENOMENA.

*Zoological—Birds*.—*Wild geese* were seen, flying N., at Duluth, and Hennepin, Ill., 10th; Northport, Mich., 2nd and 4th. *Martins* first seen at Breckinridge, 22nd; Eastport, 15th; Hennepin, Ill., 29th. *Swallows*, (barn and chimney,) appeared at Southington, Conn., 6th; Cornish, Me., 7th; Mt. Desert, Me., 17th; Dunbarton, N. H., 6th; Auburn, N. H., 1st; Waterburgh, N. Y., 12th; Palermo and N. Hammond, N. Y., 6th; Flushing, N. Y., 3rd; Coalville, Utah, 8th; Woodstock and Strafford, Vt., 8th; Utica, Wis., 9th; Breckinridge, 22nd; Eastport, 18th. *Oriole* appeared at Southington, Conn., 9th; Cornish, Me., 17th; Somerset, Mass., 7th; Dunbarton, N. H., 9th; Palermo, N. Y., 7th; Chambersburg, Pa., 3rd; Woodstock, Vt., 4th; West Charlotte, Vt., 9th; Strafford, Vt., 18th; Utica, Wis., 12th. *Sparrow* appeared at Eastport, 18th. *King bird* appeared at Southington, Conn., 10th; Cornish, Me., 9th; Somerset, Mass., 5th; Florida, Mass., 19th; Plattsburgh, N. Y., 8th. *Plover* returned to West Charlotte, Vt., 7th. *Humming bird* appeared at Louisville, Ill., 9th; Auburn, N. H., 18th. *House wrens* appeared at Dunbarton, N. H., 9th; Palermo, N. Y., 8th; Eastport, 12th. *Bobolink* appeared at Louisville, Ill., 10th; Cornish, Me., 8th; Mt. Desert, Me., 16th; Somerset, Mass., 13th; Waterburgh, N. Y., 10th; Palermo, N. Y., 15th; North Hammond, N. Y., 7th; Woodstock and West Charlotte, Vt., 9th; Strafford, Vt., 15th. *Whip-poor-will* appeared at Holton, Kan., 10th; Cornish, Me., 12th; Oregon, Mo., 2nd; Auburn, N. H., 9th; Tioga Pa., 5th; North Shippen, Pa., 8th; Salem, W. Va., 3rd; Embarrass, Wis., 10th. *Robins* appeared at Mt. Desert, Me., 25th. *Blue-bird* appeared at Waterburgh, N. Y., 18th; Palermo, N. Y., 8th. *Cat-bird* appeared at Mt. Desert, Me., 25th; Somerset, Mass., 1st; Auburn, N. H., 12th. *Yellow-birds* appeared at Somerset, Mass., 3rd. *Brown thrush* appeared at Dunbarton, N. H., 9th; Auburn, N. H., 12th. *Mocking-bird* appeared at Northport, Mich., 18th; Embarrass, Wis., 7th. *Insects*.—*Colorado beetle* or *potato bug* about Rocky Run, Wis., 21st; Morgantown, W. Va., 8th; destroying potatoes and tomatoes at Stapleton, N. Y., and Trenton, N. J.; appeared at Southington, Conn., 28th. *Chintz bug* on wheat at Guttenberg, Ia. At Lynchburg, tobacco suffering from ravages of bugs. *Fire-flies* were seen at Benettsville, Ky., 3rd; St. Meinrad, Ind., and Stanley, Kan., 20th; Southington, Conn., 27th. *Winged ants* numerous at Benettsville, Ky., 7th. *Grasshoppers* hatched out at Breckenridge, 23d; were alive at Cheyenne, 14th; reported to have appeared in prairies near Pembina, and hatching out by millions in valleys about Virginia City, 28th. Young *Katydid*s crawling about at Brookhaven, Miss., 30th.

*Botanical*.—*String beans* ripe at Welborn, Fla., 1st. *Strawberries* ripe at Vineland, N. J., 30th. *Cucumbers* ripe at Welborn, Fla., 3rd. *Blackberries* ripe Welborn, Fla., 10th; Brookhaven, Miss., 20th. *Oleander* in bloom at Welborn, Fla., 15th. *Magnolias* in bloom at New Bedford, Mass., 2nd. *Jessamine* in bloom at Welborn, Fla., 17th. *Currants* bloomed at Riley, Ill., 6th; Fort Madison, Iowa, 11th. *Cherries* in bloom at Riley, Ill., 15th; West Waterville, Me., 22nd; New Bedford, Mass., 10th; Fall River, Mass., 6th; Westboro, Mass., 8th; Northport, Mich., 30th; Hudson, Mich., 6th; Auburn, N. H., 24th; Waterburgh, N. Y., 21st; Kensico, N. Y., 7th; Cleveland, 2nd; Egypt, Pa., 8th; Tioga, Pa., 18th; Utica, Wis., 20th; Cathlamet, Wash. Ter., during first week. *Apples* in bloom at Riley, Ill., 17th; Nora Springs, Ia., 12th; Cornish and West Waterville, Me., 30th; Williamstown, Mass., 23rd; New Bedford, Mass., 21st; Westboro, Mass., 20th; Fall River, Mass., 12th; Auburn, N. H., 24th; Palermo, N. Y., 27th; Nichols, N. Y., 20th; Kensico, N. Y., 20th; Starkey, N. Y., 28th; Urbana and Carthage, Ohio, 7th; Egypt, Pa., 9th; Tioga, Pa., 25th; Rocky Run, Wis., 21st; Neillsville, Wis., 24th; Cathlamet, Wash. Ter., during first week. *Quince Trees* in bloom at Vevay, Ind., 7th. *Plum Trees* in bloom at Independence, Iowa, 16th; Williamstown, Mass., 15th; Fall River, Mass., 2nd; Waterburgh, N. Y., 21st; Nichols and Starkey, N. Y., 14th; Tiffin, Ohio, 5th; Egypt, Pa., 7th; Tioga, Pa., 15th; Woodstock, Vt., 21st; Strafford, Vt., 27th; Rocky Run, Wisconsin, 21st; Cathlamet, Washington Ter., during first week. *Gooseberries* in bloom at Fort Madison, Iowa, 11th. *Pear trees* in bloom at Cornish, Me., 30th; Williamstown, Mass., 15th; New Bedford, Mass., 17th; Westboro, Mass., 13th; Fall River, Mass., 7th; Newark, N. J., 3rd; Waterburgh, N. Y., 21st; Palermo, N. Y., 26th; Nichols, N. Y., 18th; Starkey, N. Y., 14th; Tiffin, Ohio, 5th; Rocky Run, Wis., 21st; Cathlamet, Washington Territory, during first week. *Peach trees* in bloom at Williamstown, Mass., 9th; Fall River, Mass., 2nd and 3rd; Egypt, Pa., 5th; Hudson, Mich., 6th; Waterburgh, N. Y., 21st; Nichols, N. Y., 14th; Starkey, N. Y., 12th;

*Prick fires* occurred near Lower Brule Indian Agency, D. T.; 9th, Oregon, Mo.; 12th, Breckenridge, Kan. and 18th. At last also *Forest fires* on 9th and 12th, at Brookhaven, N. Y.; 1st, woods on fire near Freehold, N. J.; 26th.

*Meteors* were seen on the 2nd and 23rd at Dubuque; 8th, 9th, 10th, 15th and 18th, Dodge City; 9th, 15th and 18th, Richmond, Neb.; 12th, Fall River, Mass.; 13th, 16th, 20th and 25th, Evanston, Ill.; 13th, 21st and 27th, Smithville, N. C.; 14th and 25th, Freehold, N. J.; 16th, Westboro, Mass.; 16th and 24th, Abington, Ill.; 18th, Buffalo; 24th, La Crosse; 25th, Newport; 29th, Indianola and Belmont Farm, Texas.

*Zodiacal Light*, was observed at Nashville on the 10th.

*Earthquake* at Santa Barbara, Cal., 10th.

*Polar Bands*—2nd, Jacksonville, Fla.; 8th, Tybee Island, Ga.; 19th, Outtenberg, Iowa; 17th, 21st, 23th, 24th, 26th, Iowa City, Iowa; 21st, Betttsville, Ky.; 16th, Somerset, Mass.; 1st, Carthagena, Ohio; 1st, 11th, 15th, Wytheville, Va.

*Wheat* suffering from rust and smut at Lynchburg; rust on wheat at Creswell, Kan., 27th.

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